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<151> 2004-02-23

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 <213> *Saccharomyces cerevisiae*

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<210> 11
<211> 2001
<212> DNA
<213> *Saccharomyces cerevisiae*

<400> 11

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 <211> 2000
 <212> DNA
 <213> *Saccharomyces cerevisiae*

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gctgagggga agagtgttta gcttacggac ctattgcatt tggttattccg attaatctat	1680
tgttcagcag ctcttcata ccctgtcatt ctatgtttt tttttttttt tttgggtt	1740
actttttttt cttctgcct tttttcttg ttactttttt tctagttttt tttccttcca	1800
ctaagctttt tccttgattt atccttggt tcttcatttactcctttt atttttttt	1860

tatataattaa	tttttaagtt	tatgtatttt	ggttagattca	attctcttc	ccttcctt	1920
tccttcgctc	cccttcctta	tca				1943

<210> 22
 <211> 2001
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<400> 22	tgacaacgag	taccaggaaa	tcagtgcctc	tgcttgaag	aaggctcgta	agggctgtga	60
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	ggcagaaaat	gctgccaagc	aattgtctgc	tttgaatatc	accattaagg	aggacgaatc	180
	gctaccagct	gccattaaga	ctagaattta	tgactcttat	tccaaggctcg	gacaaagagt	240
	taaggttcc	ggttggatcc	atagattacg	ttctaacaag	aaggttattt	tcgtcgtcct	300
	cagagacgga	tctggttca	ttcaatgtgt	cttgcgggt	gatttggcat	tggctcaaca	360
	aactttggac	ctgactttgg	aatccaccgt	tactctgtac	ggtaccatag	tcaaattgcc	420
	tgagggtaaa	accgctccag	gtgggtgtga	attgaatgtc	gactattacg	aagttgttagg	480
	tttggccccc	ggtggtgaag	actccttac	aaacaaaatc	gcagagggt	cagacccttc	540
	tttactgttg	gaccaacgtc	atttggcctt	gagaggagat	gccttgcctg	cagtcatgaa	600
	agtccgtgt	gctctactga	aaagcgttag	acgtgtttat	gatgaagaac	atttgacaga	660
	agttacccca	ccatgtatgg	tgcaaactca	agtcgaaggt	ggttccactt	tgttcaagat	720
	gaactattac	ggcgaggaag	cttacttgac	ccaaagttcc	caattataatt	tagaaacctg	780
	tttggcctcc	ctaggtgatg	tttataccat	ccaagaatct	ttcagagctg	aaaagtccca	840
	cacaagaaga	catttgcgg	aatataccca	tatcgaagct	gaattggct	tcttgacttt	900
	cgacgatcta	ttacaacata	ttgaaacttt	gatcgtcaa	tccgtgcaat	acgaaaaat	960
	agacccaatt	gctggcccac	tcgtaaaaca	attgaatcca	aactttaagg	ctccaaaggc	1020
	tccattcatg	agattacagt	acaaggatgc	cattacctgg	ttgaacgaac	acgacatcaa	1080
	gaacgaagag	ggcgaagact	ttaaatttgg	tgacgatatt	gcagaagctg	ctgaaagaaa	1140
	gatgaccgat	accatcgccg	tcccaatctt	tttgacgaga	ttcccagtag	aaatcaagt	1200
	tttctacatg	aagcgttgtt	ctgacgaccc	ccgcgtcact	gaatccgtcg	acgaaaaat	1260
	gccaaacgtt	ggtgaaatca	ctgggtggtc	tatgagaatc	gacgacatgg	acgaaactaat	1320
	ggcagggttt	aagcgtgagg	gtattgatac	cgacgcctac	tactggttca	ttgaccaaaag	1380
	aaaatacggt	acttgcccac	atggtggtta	cggtatcggt	accgaacgta	tttttagcctg	1440
	gttgtgtgac	agattcactg	tcagagactg	ttccttgcgt	ccacggttca	gcggttagatg	1500
	taagccatga	tcttagtta	ctgaagagta	cgtgagcgct	cacatatata	caaataattta	1560

taccgattaa	tatttacgtt	cctccctctc	tctaattatt	cattgattta	ttcaagaatt	1620
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tctgttaacg	acaatcaaat	aacctgatct	gccaggctc	catcatatct	ggcctagaac	1740
agttttttt	tttcgattat	ttgttcgttc	ttgtgggt	tactcattgg	cagaatccg	1800
aaaatcatga	ttagtagatg	aatgactcac	ttttggata	agctggcgca	aattgaaaca	1860
tgtaaaaaaa	aaaaaaaagg	attataaaag	gtcagcgaag	cacagaactc	tgagataaga	1920
ctaccttct	ttagctaggg	gagaatattc	gcaattgaag	agctcaaaag	caggttaacta	1980
tataacaaga	ctaaggcaaa	c				2001

<210> 23
 <211> 1999
 <212> DNA
 <213> *Saccharomyces cerevisiae*

<400> 23						
tcctaaggac	atattccgtt	cgtacttgag	ttattggatc	tatgaaatcg	ctcgctatac	60
accagtcatg	attttgc	tggtaatagg	ggtttgg	ttattaatta	tat	120
tgacaacgaa	gcttgc	tcaattctgc	aatatttgct	tttacttctc	ttgttaggtt	180
gttaataata	ttaagtgtat	gtaatccaa	gctagtcagt	cgtcgaaatt	ttaggaccga	240
gcttttagtg	gatgtcatca	cacgtaaacc	ggcggtagaa	gggaaagaat	ggaggatcat	300
cacatacaac	atgaaccaat	atttgtttaa	tcatggcaa	tggcatactc	cgtattactt	360
ttacagcgat	gaggattgct	accgttattt	tctacgcctt	gttgaggag	taaccccaa	420
gaagcaaaca	gccacgtcaa	ttggcaattc	tccggtcacc	gctaagcctg	aagatgccat	480
cgagtcagct	tctcctagtt	ccagactgaa	ttatcaaaac	ttttgctca	aggcagcgg	540
gatcgaacga	caagctcagg	aaaattactg	gcgaaggcgg	catccaaata	tcgatgcgt	600
tctaaaaaag	acggaatagc	ttagagacac	taccatacgt	aaagcgaaca	taaactagag	660
tatgatata	aatcagca	aactggccgg	aaaacggccg	aaggaagcct	cggaaagtgc	720
attcgtgtt	gaccattt	ctgaacaaag	tggtcattt	cctacattt	atggtagtag	780
tcgtgataat	cgttggtt	gtttgtcaa	cggcattt	gcattttcat	gacaataaac	840
cttgcgttt	cgttctcg	atattactt	ccctccactt	cttcgcctc	aatagctcct	900
ataaggattt	tcagggcgta	tgtcggtat	cgagattcc	aagcaagctt	ttagtgaaa	960
tcatcgccgc	caagccagcg	gtaaaggaa	aagaacggag	gacgattaca	tacaagatga	1020
acgaataat	aaattaataa	taaataataa	taaaaagtac	agtagcatta	aatatttata	1080
agtttaatga	ttaaaaattt	gttaattgtc	aagaaaatct	aaggtattaa	taaataaaata	1140
atactatgac	aacttgcagc	gaaagcatca	gccccatga	aaattaatca	gaattgaatc	1200

tgagcgtatt tatttgataa cggttacgt aactgttgg aaaaaatca actatcatct	1260
actaactagt gtttacgtta ctagtatatt atcatatacg gtgttagaag atgacgcaaa	1320
tgtatgagaaa tagtcatcgt tttcaacgga agctgaaata caaggattga taatgtataa	1380
ggatcaatga atatcaacat ataaaacgat gataataata tttatagaat tgtgtagaat	1440
tgcagattcc cttttatgga ttcctaaatc ctcgagaaga acttcttagta tatctacgta	1500
cctaatatta ttgccttatt aaaaatgaa tcccaacaat tatctaaaa ttcccccaat	1560
tctcatcagt aacacccac cccgtattac ttttaccgtg atgaagattg gcatcggtac	1620
tttctaaacg taggacgtgc ggaatgacaa aaccatcagc agtgcacga tctctccagt	1680
cacaatggca atcatgagtg catagtccaa agtaaagggg caaggaaaag catgattgaa	1740
aggactcccc atctggactc tataatgtcat cagcggctaa aaaaaagcat atagcacaac	1800
atcagcatca gcatcagcac tagagtcatc ggcccgccgg tccgcggta tccccgcgga	1860
cttccgtcc gccccggcgg ctgtatcagc gtcaactgga acgcgcataatatacaaga	1920
cacacataac atagaagcac acccacgaca ataaccacac gacaataacc acacccgccc	1980
acccctcctt tccgtatac	1999

<210> 24	
<211> 91	
<212> DNA	
<213> Glycine max	
<400> 24	
aaawtcaaac gacaataact tttkactcgg atgtccgatt gwgtcccgta rtatatcgag	60
acgctcgwaa ttgaaaacwg aagctctrag m	91

<210> 25	
<211> 92	
<212> DNA	
<213> Glycine max	
<400> 25	
aaattcaaat ggtcataact tttmacwcgg akgtccgatt caggcgcata atatatcgag	60
acgctcgaaa ttgaacaayg gaagctctcg ag	92

<210> 26	
<211> 91	
<212> DNA	
<213> Glycine max	
<400> 26	
aaattcaaac gacaataact ttttactcgg atgtcygatt gagtcccgta atatatcgag	60
acgctcgaaa ttgaatrytg aagctctgag c	91

<210> 27

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<211> 266
<212> DNA
<213> Brassica oleraceae

<220>
<221> misc_feature
<222> (38)..(38)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (242)..(242)
<223> n = a, c, g, or t

<400> 27
gatttagatt gtactcattc caattaccag actcgaanag cccggatttg ttatttattg      60
tcactacctc cccgtgtcag gattggtaa tttgcgcgccc tgctgccttc cttggatgtg      120
gtagccgtt ctcaggctcc ctctccggaa tcgaacccta attctccgtc acccggttacc      180
accatggtag gccactatcc taccatcgaa agttgatagg gcagaaattt gaatgatgcg      240
tngccagcac taaggccatg cgatcg                                266

<210> 28
<211> 345
<212> DNA
<213> Brassica oleraceae

<220>
<221> misc_feature
<222> (9)..(9)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (17)..(17)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (27)..(27)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (41)..(41)
<223> n = a, c, g, or t

<400> 28
aaactgggn aactggnaat cacctgnatt tgaaagtggg nataacttct tcattgcac      60
tcctatgagt tttattcaac ttccctggta ttctccacca ctttatgtat ccaaatcaag      120
cttcttacaa agtgattcat cctgggttga ttggaacgac gaacaagttg tgctattccc      180
aaacttggaa actggaatca cctgacttga aagtggata acttcttcat cccaactcct      240
atgagattta ttcaacttcc tggtgattct ccaccactt atgtatccaa atcaagcttc      300

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ttacaaagtg attcattctg gtttgttgg aacgacgaag aagcg

345

<210> 29
<211> 40
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

<400> 29
ggtgtcggc cggagcacaa gcgggccaag cccatgcttg

40

<210> 30
<211> 41
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

<400> 30
ggtgtcggc cgcaggttgc atatgaatct ttaactgaca g

41

<210> 31
<211> 41
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

<400> 31
ggtgtcggc cgcgagcaca agcgggcca gcccatgctt g

41

<210> 32
<211> 42
<212> DNA
<213> Artificial sequence

<220>
<223> Sytnthetic primer

<400> 32
ggtgtcggc cgtcaggttgc atatgaatc tttactgac ag

42

<210> 33
<211> 39
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

<400> 33
ggtgtcggc cgtcgtcggc acttggcagc gaaatctcc

39

<210> 34		
<211> 42		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 34		
ggtgttcggc cgcattatca tataattatg ttttgctgct tc		42
<210> 35		
<211> 38		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 35		
ggtgttcggc cgcgtcggca cttggcagcg aaatctcc		38
<210> 36		
<211> 41		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 36		
ggtgttcggc cgattatcat ataattatgt tttgctgctt c		41
<210> 37		
<211> 105		
<212> DNA		
<213> Lycopersicum		
<220>		
<221> misc_feature		
<222> (18)..(18)		
<223> n = a, c, g, or t		
<220>		
<221> misc_feature		
<222> (29)..(29)		
<223> n = a, c, g, or t		
<400> 37		
accaaatttg ttcgtgnac gtcctcaana cgttgtctat gcatacggtt ggccatcacg		60
gcctttccga cccatttggaa aggtcaaacg aaccccgaaag tgagc		105
<210> 38		
<211> 105		
<212> DNA		
<213> Lycopersicum		

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n = a, c, g, or t

<400> 38
ggttttctag gccgtttggg aaggtaaac gagccccgn acgagcatac gcctcattt      60
gacgattttc gtgtgctatt gcacaccatt tttgggtga tcgag                      105

<210> 39
<211> 256
<212> DNA
<213> Lycopersicum

<400> 39
gtaacgacct gtttagtcgt tttgagcagc agattttatt tctggaaaaa caggctgaga      60
cgacggaaac cacgacggac cgtcatggc acgacggacc gtcgaggggg tctcgttcca      120
aaacacttag aattctgaaa tttgggtact gaaatcgact ctctgaactt cgtgaagaag      180
tggcaggacg gaccgtcgtg ggcacgacgg accgtcacag gcccttcaat aatttcagtc      240
tctgaactct gtgacg                           256

<210> 40
<211> 574
<212> DNA
<213> Plant Telomere probe

<400> 40
aggcgcgcca cctgcaggag agctcggtct catcgagaca cagggttag gtttaggg      60
ttagggtta gggtttaggg tttagggtt agggtttagg gtttagggtt tagggtttag      120
ggtttaggg ttagggttta gggtttaggg tttagggtt agggtttagg gtttagggtt      180
tagggtttag ggttaggg ttagggttta gggtttaggg tttagggtt agggtttagg      240
gttttaggg ttagggtttag ggttaggg ttagggttta gggtttaggg tttagggtt      300
agggttagg gtttaggg ttagggtttag ggttaggg ttagggttta gggtttaggg      360
tttagggttt agggtttagg gtttaggg ttagggtttag ggttaggg ttagggttta      420
gggttaggg tttagggtt agggtttagg gtttaggg ttagggtttag gtttaggg      480
ttagggtta gggtttaggg tttagggtt agggtttagg gtttaggg ttagggtttag      540
gtgagccccc gtttaaacgc ccggccgtc gacc                           574

<210> 41
<211> 41
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

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<400> 41
aggcgcgcca cctgcaggag agctcggtct catcgagaca c 41

<210> 42
<211> 34
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic primer

<400> 42
ggtcgacggc ccgggcgttt aaacccgggc tcac 34

<210> 43
<211> 155
<212> DNA
<213> Glycine max

<220>
<221> misc_feature
<222> (4)..(4)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (26)..(26)
<223> n = a, c, g, or t

<400> 43
gttnttgcgtcg tttgaatttg ctgagnacct tcaacattca atttcgagcg tctcgatata 60
ttacgggact taatcagaca atcgagtaaa aagttattgt cgtttgaatt tgctcagagc 120
ttctgttttc aattacgagc gtctcgatata attac 155

<210> 44
<211> 167
<212> DNA
<213> Glycine max

<220>
<221> misc_feature
<222> (6)..(6)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n = a, c, g, or t

<220>
<221> misc_feature
<222> (31)..(31)
<223> n = a, c, g, or t

<220>
<221> misc_feature

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<222>  (39)..(39)
<223>  n = a, c, g, or t

<220>
<221>  misc_feature
<222>  (54)..(54)
<223>  n = a, c, g, or t

<220>
<221>  misc_feature
<222>  (65)..(65)
<223>  n = a, c, g, or t

<220>
<221>  misc_feature
<222>  (96)..(96)
<223>  n = a, c, g, or t

<400>  44
gtccgnatca ggncgcataa tatatgcgag nacgctagna aattgaataa tggnaagcac      60
tcganaaatt caaatggtca taactttcca cacgggnaggt tagattcaag cgcataatat      120
atagagaagc tcgaaatata acaactaaag ctctcgcgaa attcaaa      167

<210>  45
<211>  216
<212>  DNA
<213>  Glycine max

<220>
<221>  misc_feature
<222>  (34)..(34)
<223>  n = a, c, g, or t

<400>  45
ggcagagttt ttgggttttt catgttgtca aagnagttga acaatgaaaa tggatgacta      60
gtgcctgatc gaattgatcg gatcatgtag gaacaagggtt caagtctacc ggtctgttag      120
gatgcctcag ctgcatacat cactgcactt ccacttgaca cctatcatta attagaaaacg      180
gctcgtctcg ccgtgacctt ctcttgaatt ctcaaa      216

<210>  46
<211>  605
<212>  DNA
<213>  Glycine max

<220>
<221>  misc_feature
<222>  (368)..(368)
<223>  n = a, c, g, or t

<400>  46
ggtgttgggc cttaaaaat gatccttta acttgtaag aaaagctgag ataaaacttt      60
caaatctttt ttttagtgatt ttttggtgga cgagcttgac ttggcgaatt gattttagcc      120

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ttagttcgc tttagttatt agtcaattca attaagaatg ataaatccca aagagaaaaat	180
gtccgattga tttttgtgct tcattttact aaaagatatt ctttgatta ttatattatt	240
atttacctc ttttttgat ttccaacgtg gttacggcac gaccgagcgg ttggaactcc	300
tttaacaga aattaatgaa tactacaatt caaatgatcg atggaaattt attttatttt	360
tagattangc gcgaaatgac ttaaataaat gactgaagca tgtcaaaagg gggtatggaa	420
agtaatgaaa ataagaataa aaatacatga aacacaatgt ggaccactac gggtacatacg	480
aatgaatcga aaagcttggt tcgaggtact taccggtga agatcgaaga acgatgaaga	540
acgaatgaag aacgtcgaag aacgattgaa agcttgcga gattcctcac gggaaaacgt	600
tacgg	605
<210> 47	
<211> 24	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Synthetic probe	
<400> 47	
tgaacggcca cgagttcgag atcg	24
<210> 48	
<211> 24	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Synthetic probe	
<400> 48	
gtcctcggtt tgggaggtga tgtc	24
<210> 49	
<211> 24	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Synthetic probe	
<400> 49	
ctgccactcc atttccttct cggc	24
<210> 50	
<211> 24	
<212> DNA	
<213> Artificial sequence	
<220>	
<223> Synthetic probe	

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<400> 50
acttatccgg tccttagatca tcag 24

<210> 51
<211> 176
<212> DNA
<213> Brassica oleraceae

<400> 51
agcttgattt ggatacataa agtggtgagg aatcaccagg aagttgaata aatctcatag 60
gagttggcat gaagaagtta tcccmcttc aaatcaggtg attccagttt cccagttgg
gaatagcaca gcttcttcgt cgttccaatc aaaccaggat gaatctcttt gtaaga 120
176

<210> 52
<211> 176
<212> DNA
<213> Brassica oleraceae

<400> 52
actttcattt ggatacataa agtagtgkag aatcaccagg aagttgaata aatctcatag 60
gagttaggat gaagaagtta tcccacttc aaataaggtg atcccagttt ycctgtttgg
gaatatgaca acttcttcgt cattctaatc aaaccaggat gaatckygtat gtwaga 120
176
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